IND II

ANDEROL® Specialty Lubricants

OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id
MATTEI HQJTJ3
Component
Compressor
Fluid
ROTOROIL 8000 (1 GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

The iron level has decreased, but is still abnormal.

CONTAMINATION

There is a high concentration of water present in the oil. There is a moderate amount of visible silt present in the sample.

FLUID CONDITION

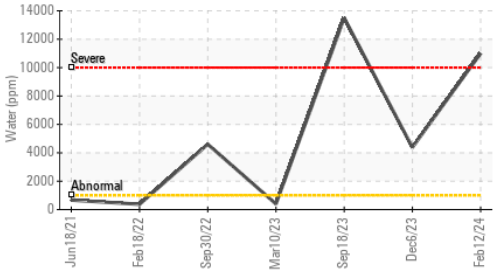
The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**AN25473**	AN25483	AN25328
Sample Date		Client Info		**12 Feb 2024**	06 Dec 2023	18 Sep 2023
Machine Age	hrs	Client Info		**10676**	10164	9696
Oil Age	hrs	Client Info		**512**	468	1733
Filter Age	hrs	Client Info		**512**	468	1733
Oil Changed		Client Info		**Changed**	N/A	Changed
Filter Changed		Client Info		**N/A**	N/A	N/A
Sample Status				**SEVERE**	SEVERE	SEVERE
Iron	ppm	ASTM D5185m	>50	▲ **127**	⬢ 193	⬢ 208
Chromium	ppm	ASTM D5185m	>10	**0**	0	0
Nickel	ppm	ASTM D5185m		**<1**	0	0
Titanium	ppm	ASTM D5185m		**<1**	<1	0
Silver	ppm	ASTM D5185m		**0**	0	0
Aluminum	ppm	ASTM D5185m	>25	**9**	12	▲ 19
Lead	ppm	ASTM D5185m	>25	**0**	<1	1
Copper	ppm	ASTM D5185m	>50	**6**	8	12
Tin	ppm	ASTM D5185m	>15	**1**	1	1
Vanadium	ppm	ASTM D5185m		**0**	0	0
White Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	**17**	19	▲ 38
Potassium	ppm	ASTM D5185m	>20	**5**	6	9
Water	%	ASTM D6304	>0.1	⬢ **1.10**	▲ 0.438	⬢ 1.35
ppm Water	ppm	ASTM D6304	>1000	⬢ **11000**	▲ 4380	⬢ 13500
Silt	scalar	*Visual	NONE	▲ **MODER**	NONE	▲ MODER
Debris	scalar	*Visual	NONE	**NONE**	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	NONE
Appearance	scalar	*Visual	NORML	**NORML**	NORML	▲ MILKY
Odor	scalar	*Visual	NORML	**NORML**	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	⬢ **0.2%**	0.2%	⬢ 0.2%
Sodium	ppm	ASTM D5185m		**144**	188	248
Boron	ppm	ASTM D5185m		**0**	0	<1
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**0**	0	0
Manganese	ppm	ASTM D5185m		**1**	2	2
Magnesium	ppm	ASTM D5185m		**4**	0	11
Calcium	ppm	ASTM D5185m		**4**	0	10
Phosphorus	ppm	ASTM D5185m	884	**915**	959	865
Zinc	ppm	ASTM D5185m		**77**	126	233
Sulfur	ppm	ASTM D5185m		**69**	136	97
Acid Number (AN)	mg KOH/g	ASTM D8045	0.1	**0.22**	0.17	0.58
Visc @ 40°C	cSt	ASTM D445	87.69	**63.2**	63.6	69.8

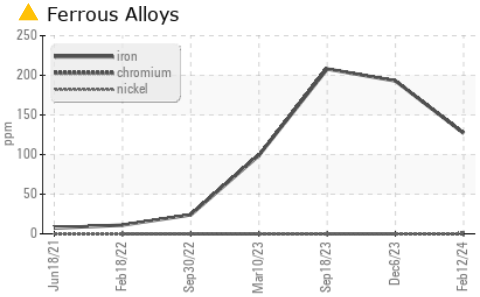
Report Id: MATTEI [WUSCAR] 06097796 (Generated: 02/25/2024 23:17:19) Rev: 1

Contact/Location: MARTY WARD - MATTEI

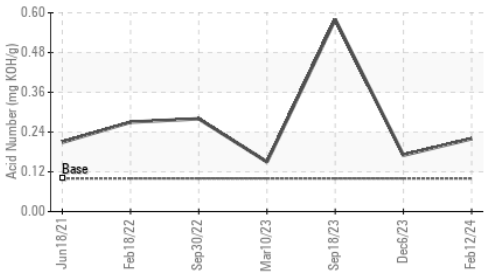
Water (KF)



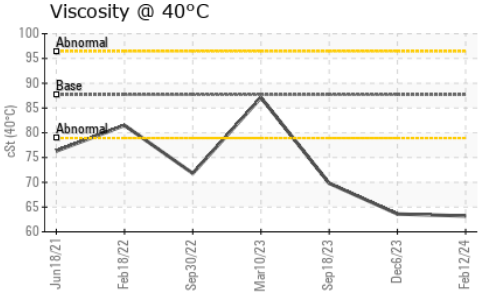
Ferrous Alloys



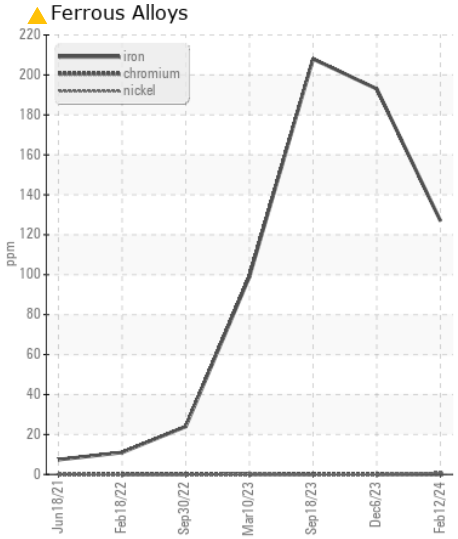
Acid Number



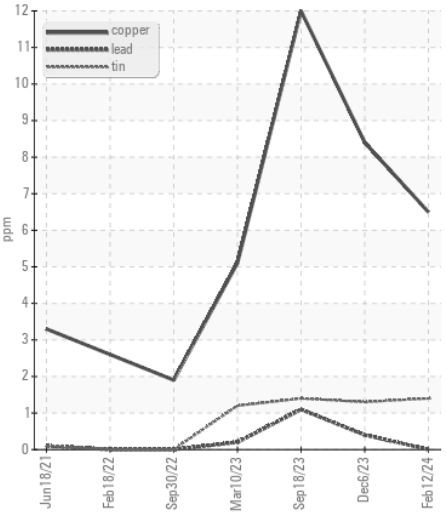
Viscosity @ 40°C



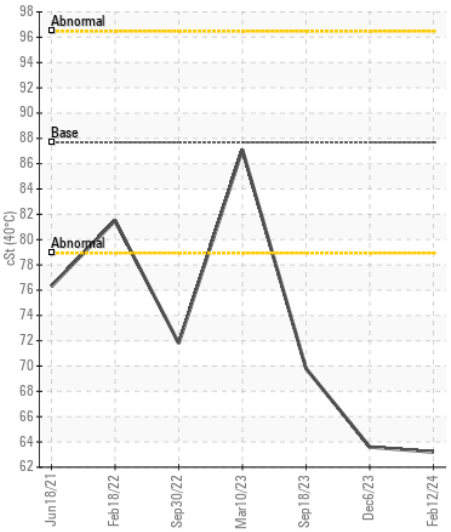
Ferrous Alloys



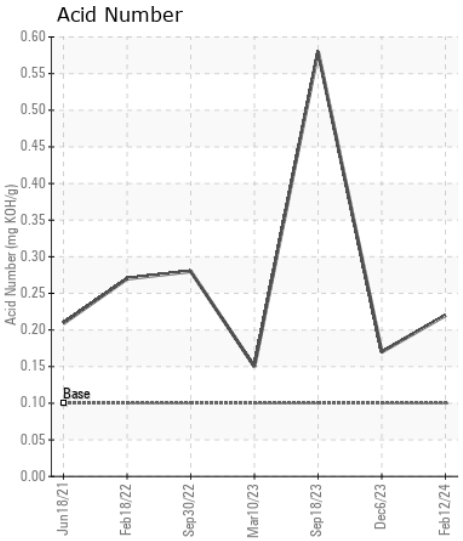
Non-ferrous Metals



Viscosity @ 40°C



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : AN25473
Lab Number : 06097796
Unique Number : 10896026
Test Package : IND 2

Received : 22 Feb 2024
Tested : 25 Feb 2024
Diagnosed : 25 Feb 2024 - Doug Bogart

To discuss this sample report, contact Customer Service at 1-800-237-1369.
** - Denotes test methods that are outside of the ISO 17025 scope of accreditation.*
Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

MATTEI COMPRESSORS--OEM
9635 LIBERTY ROAD, SUITE E
RANDALLSTOWN, MD
US 21133
Contact: MARTY WARD
jward@matteicomp.com
T: (410)521-7020
F: (410)521-7024